

SEQUENCE LISTING

<110> Bayer AG, BHC

<120> Isolated photoprotein mtClytin, and the use thereof

<130> Le A 36 839

<160> 6

<170> PatentIn version 3.1

<210> 1

<211> 912

<212> DNA

<213> Clytia gregaria

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<212> PRT

<213> Clytia gregaria

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 35 40 45
 Pro Lys Trp Ile Asn Arg His Lys Phe Met Phe Asn Phe Leu Asp Ile
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 Asn Gly Lys Gly Lys Ile Thr Leu Asp Glu Ile Val Ser Lys Ala Ser
 65 70 75 80
 Asp Asp Ile Cys Ala Lys Leu Asp Ala Thr Pro Glu Gln Thr Lys Arg
 85 90 95
 His Gln Asp Ala Val Glu Ala Phe Phe Lys Lys Met Gly Met Asp Tyr
 100 105 110
 Gly Lys Glu Val Ala Phe Pro Glu Phe Ile Lys Gly Trp Glu Glu Leu
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 Arg Glu Trp Gly Asp Ala Val Phe Asp Ile Phe Asp Lys Asp Ala Ser
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 Ile Cys Pro Ser Asp Glu Asp Ala Glu Lys Thr Phe Lys His Cys Asp
 180 185 190
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 Asn Phe Val Pro
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<212> PRT

<213> Clytia gregaria

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 35 40 45
 Ala Ser Asp Asp Ile Cys Ala Lys Leu Gly Ala Thr Pro Ala Gln Thr
 50 55 60
 Gln Arg His Gln Glu Ala Val Glu Ala Phe Phe Lys Lys Ile Gly Leu
 65 70 75 80

Tyr Gly Asn Phe Val Pro
195